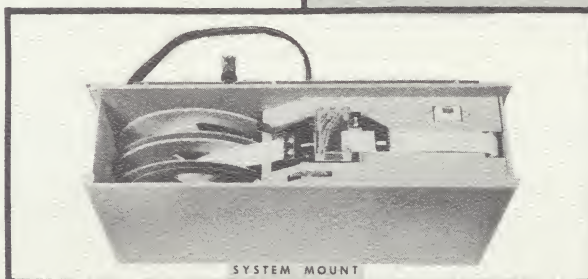
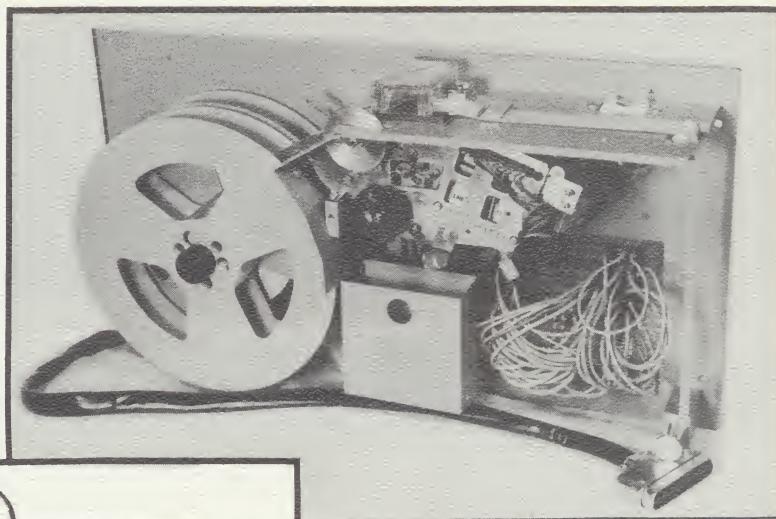


tape perforator

GENERAL

The Auto-trol Model 5100 Series Tape Perforator is a general purpose, self-contained tape punch specifically designed for system use.

This compact unit contains its own power supply, buffer, and transistorized electronics. Coding is accomplished by the operator via a built-in patch panel (or program board). All common tape channels, five to eight, are handled by the same unit, adjustable by the operator.



5100 SERIES SPECIFICATIONS & FEATURES

- | | | | |
|---------------------|--|----------------------------|---|
| SPEED: | Model A—25 columns per second.
Model B—50 columns per second. | LIFE: | Punch must be lubricated every 40 million columns. |
| CHANNELS: | Adjustable from five to eight channels. | PHYSICAL FEATURES | <ul style="list-style-type: none"> —Bin supplied for short tape lengths. —Chip box included. —"Stack" mounted reels for accessibility and small space consumption. —Behind-panel space held to a minimum. —Left swinging panel for front maintenance. |
| CODE HOLES: | 0.687 inch, 0.875 inch, and 1.000 inch; tape width is easily changed by operator. | | |
| TAPE WIDTHS: | 0.073 inch diameter on .1 inch centers. | | |
| FEED HOLES: | 0.046 inch diameter. | | |
| ALIGNMENT: | Code and feed holes have common center line. | | |
| DIMENSIONS: | Rack Mount: 19" x 10½" high x 5" front, 5" rear.
System Mount: 19½" x 10½" high x 5" front, 5" rear. | | |
| REELS: | 8½", two reels supplied. | ELECTRONICS: | <ul style="list-style-type: none"> —Transistorized driving circuits and full transistorized buffer. —Non relay data flow. —Neon lights for visual testing of the electronic unit. —Tape runs only during punching. —A four-second relay delay cycle is included in the circuitry which prevents motor turn-off if data flows fast enough. —Built-in power supply. |
| ALARMS: | Tape sensing alarms automatically stop the punch if the tape breaks or runs out. Buffer holds next digit which will be recorded when tape is restored. | | |
| CODING: | <p>A standard feature is a built-in patch panel (or program board) which provides code punching in any format and any number of channels from five to eight.</p> <ul style="list-style-type: none"> —Nineteen input hubs are provided: 0 thru 9, A & B, a thru f, and tape feed. —Includes 76 filters for establishing code matrix for input lines. —Provides for nine channels, one to feed tape, the other eight for data punching. | OPERATION FEATURES: | <ul style="list-style-type: none"> —Power On & Off switch. —Backward-Forward tape control switch: Back up one space at a time for editing, forward enters a delete code. —Optional 18-key keyboard. |

PRECISION DIGITAL ELECTRONIC
EQUIPMENT BY

Auto-trol CORPORATION
DIGITAL GRAPHIC AND DATA SYSTEMS
5556 HARLAN, ARVADA, COLO. (303) 421-3726

AUTO-TROL

DIGITAL GRAPHIC
AND DATA SYSTEMS
5566 Harlan St.
Arvada, Colo. 80002
(303) 421-3726

PRICE LIST

PAPER TAPE PERFORATOR & ASSOCIATED EQUIPMENT

5100 Series Paper Tape Perforator: (with power supply)
Model A - 25 columns per second.....\$2200.00
Model B - 50 columns per second.....\$2200.00

Note: When ordering please specify rack mount
or system mount.

Eighteen-key Keyboard. (includes 15' cable).....\$ 350.00
Connector for keyboard, to be added to 5100.....\$ 50.00
Readout Scanner Unit, rack mounted with removable
IBM-type patch panel.....\$1500.00

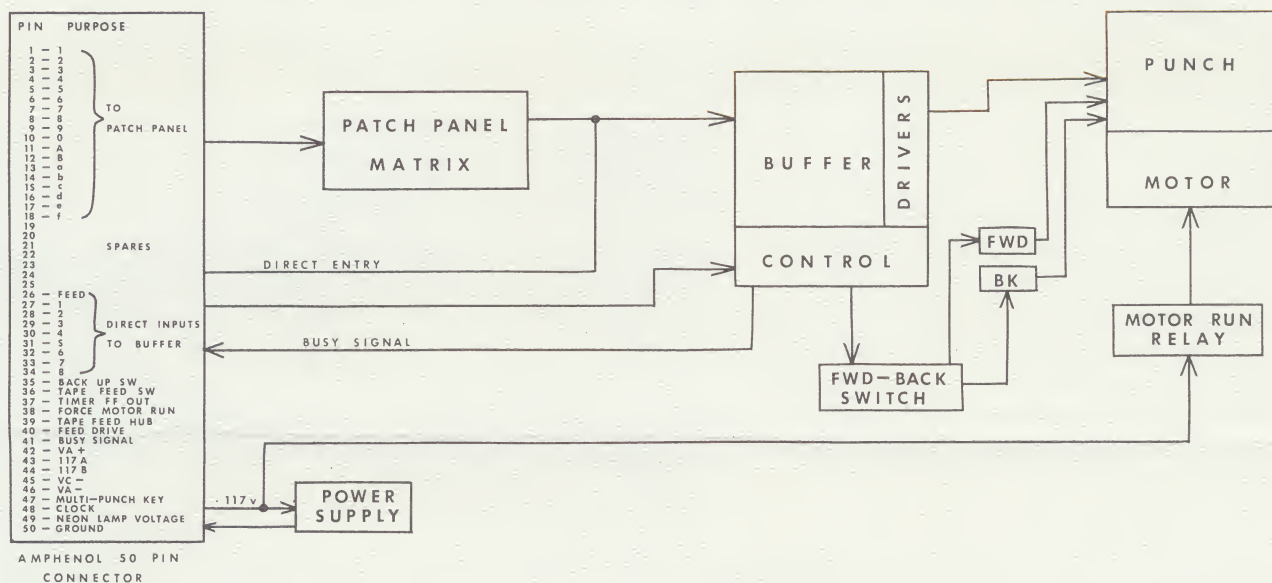
Prices effective September 1, 1965.
Prices quoted are F.O.B. Denver, Colorado

Terms: Net 30 days.
O.E.M. and quantity discounts available on request.

All price quotations made by us or our representatives subject
to change without notice.

5100 SERIES TAPE PERFORATOR

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DIGITAL GRAPHIC AND DATA SYSTEMS
5566 HARLAN, ARVADA, COLO. (303) 421-3726



ENGINEERING SPECIFICATIONS

INPUT:

The eighteen input lines require a -24 volt source with a 1.5 K ohm impedance. (-24v signal, 0v no signal).

Multi-Punch: Requires 0 volts when not in use, -15 volts to hold off automatic punching cycle.

Motor Drive: 117 volts A. C., 2.4 amps.

Power Supply: 117 volts A. C., 50 watt max.

Clock: Clock signal is -15 volts (output of MV) with 2us front face (going to zero), back face not important.

The clock signal performs three functions:

- 1. Initiates a .4ms delay so that the leading edge of input line signals can be ignored.
- 2. Prevents the buffer from accepting data when clock goes negative and stays negative.
- 3. Ends the buffer loading period when it goes negative.

OUTPUT:

Busy Gate: The purpose of the busy gate is to provide a signal indicating when the buffer is loaded and the punch cycle is in progress (signal ends when buffer can be loaded again), and to advance the external data sequencer.

The busy gate gives no signal when the punch is being advanced or reversed by means of the manual switch.

Signal of busy gate: Swing of 15 volts, -15 volts indicates punch not in use. 0 volts indicates punch in use. Front edge of signal is 2us rise time. Rear edge of signal is 10us fall time. Impedance is 4.7K. Loading of this signal does not affect operation of punch.

ADDITIONAL DATA:

- Buffer is loaded by any -24 volt signal.
- Noise or leading edge of the data signals ignored.
- Multi-punch circuit allows buffer to be loaded in phases and then punched.
- Timing signals available for external control.
- Output voltages available: +15 volts, -15 volts, -24 volts.

FEED DRIVE HOLE:

Mechanically punched during every forward feed cycle.